



Intel® Software Development Products
for Intel Platforms and Technologies

Intel® VTune™ Enterprise Analyzer, .NET* Edition

Overview

The VTune™ Enterprise Analyzer for Web applications helps developers and QA teams identify distributed Web application bottlenecks and better understand the end-to-end hardware and software behavior. Data is collected with a very low level of intrusion on the target servers and the application itself.

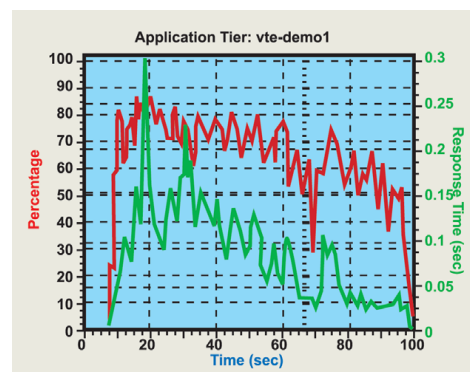
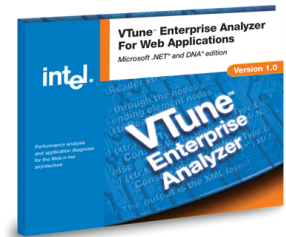
The VTune Enterprise Analyzer is designed to measure and improve in-depth code-level performance of n-tier Microsoft DNA* and .NET* applications. VTune Enterprise Analyzer provides multi-tier transaction-level analysis as well as object-level analysis including scripts, business objects, and database queries.

Root Cause Analysis for Web Environment

- Tier View — delivers interactive response time analysis for COM+ objects activation and method calls
- Machine View — correlates performance metrics to machine response times
- Task View — provides a horizontal analysis of the Web site performance
- Object View — presents a graphical view of the physical topology of the server machines and the inter-machine activity
- Machine performance counters (CPU, IO utilization, Network and more) correlate with the specific machine response time
- Inter-machine activations response time analysis: HTTP, Distributed COM/COM+, Microsoft SQL* and SOAP
- Software objects mapped to each machine with calling relations
- Very low performance skew (intrusion)

Customer Benefits

- Response time analysis at run time: tier- (Web, Application and Database) and machine-granularity, plus correlation of performance counters and the machine responsiveness. You can access all this data summarized in two screens.
- Task analysis and statistics reporting allows you to analyze the data while focusing on application activities. You can filter the data to meet your needs.
- Additional application characterization and components allow you to build your application's performance metrics as you develop.
- Session Compare enables comparison of performance data from two data collection runs
- Object call activity articulation across machines (machine-to-object relationship) enables application flow analysis.
- Session recording allows effective communication between developers and QA team. Accelerates time-to-market and quality of your .NET application.

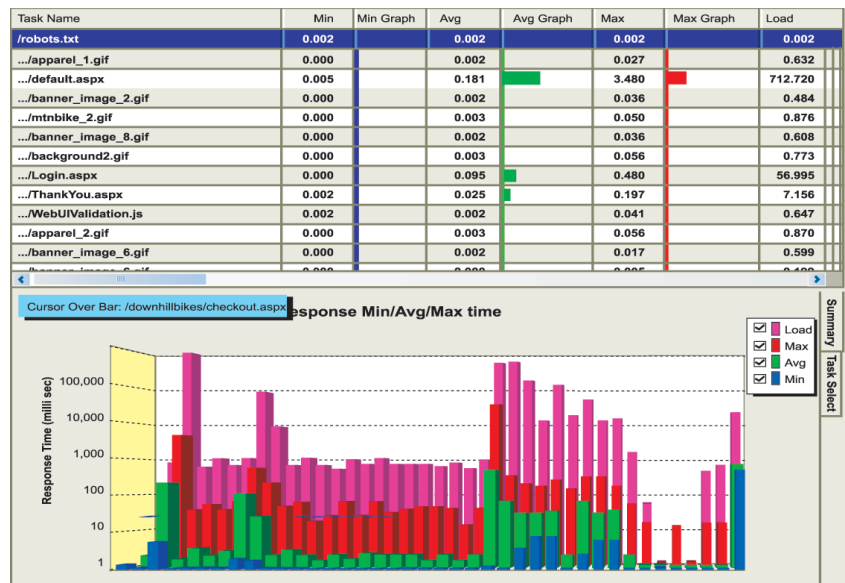


Machine View

VTune Enterprise Analyzer allows you to monitor targeted machines. Response time can be correlated with critical CPU, IO, Network, and Memory utilization counters. You can focus on the scenario you are interested in (machine/activity) and analyze other activities run at the time region of interest.

Task View

Task view includes HTTP, DCOM, Microsoft SQL and SOAP response time statistics. Now you can understand how the application behaves under the hood, and which objects have the total highest response. Task view presents the data in holistic fashion, showing the activity of all monitored tiers simultaneously. Task view provides minimum, average, and maximum response time statistics as well as sorting capabilities to enable easy navigation amongst the data. 3-D Charts allow graphical analysis of response time distributions and allow the user to easily pick out hot areas indicating good candidates for optimization.



Performance

The Intel VTune Enterprise Analyzer offers Insight Into Web infrastructure

The VTune Enterprise Analyzer is designed to measure and improve in-depth code-level performance of n-tier applications.

Compatibility

Tools suite that provides the top down solution

VTune Enterprise Analyzer complements existing third-party Load tools and the existing VTune Performance Analyzer product offered by Intel. VTune Performance Analyzer provides a complete solution of performance testing analysis from the transaction level to task level and also drills down to the code and architecture level.

Support

Intel Premier Support included with every license

Intel offers Premier customer support with every purchase of an Intel software development product. You register online for expert technical support, product updates, code samples, technical notes and documentation. Install the product, then register to get support and product update information.

System Recommendations

Monitored Environment Requirements

- Microsoft Windows* 2000 or later (US English edition)
- Microsoft IIS*
- Microsoft DCOM* and .NET*
- Microsoft SQL Server 2000*
- Oracle 8i* and 9i* support

Host Machine Requirements

- One of the following operating systems:
 - Microsoft Windows 2000 SP2 or later (US English edition)
 - Windows 2000 Server
 - Windows Advanced Server
 - Windows XP/.Net Server
- Intel Celeron®, Pentium®, Intel Xeon™, or Itanium® 2 processor-based system
- 500 MB of available space on a local drive for collected data storage
- 20 MB of disk space for system files

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**Performance.
Compatibility.
Support.**

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